

FIG. 1

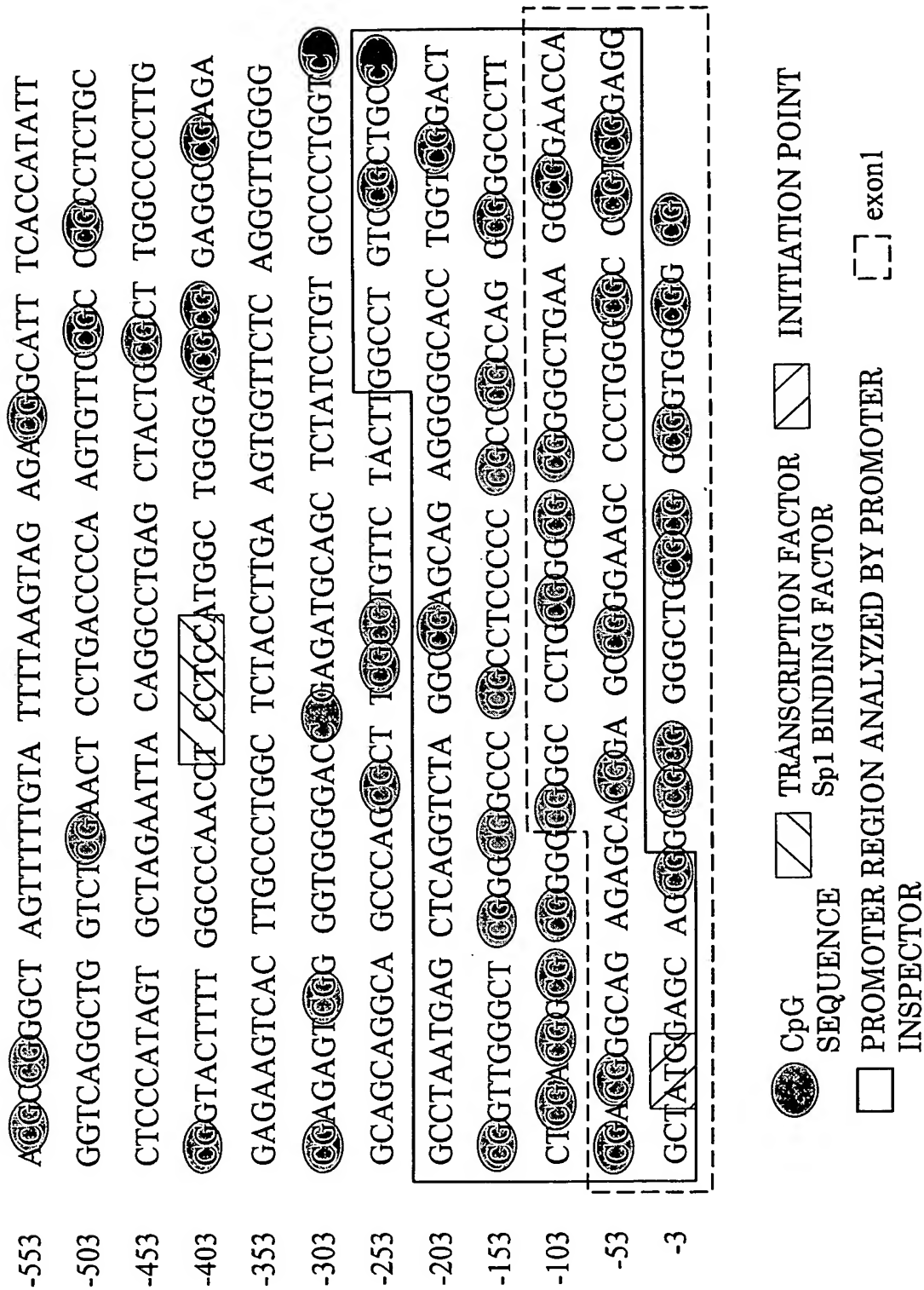


FIG. 2

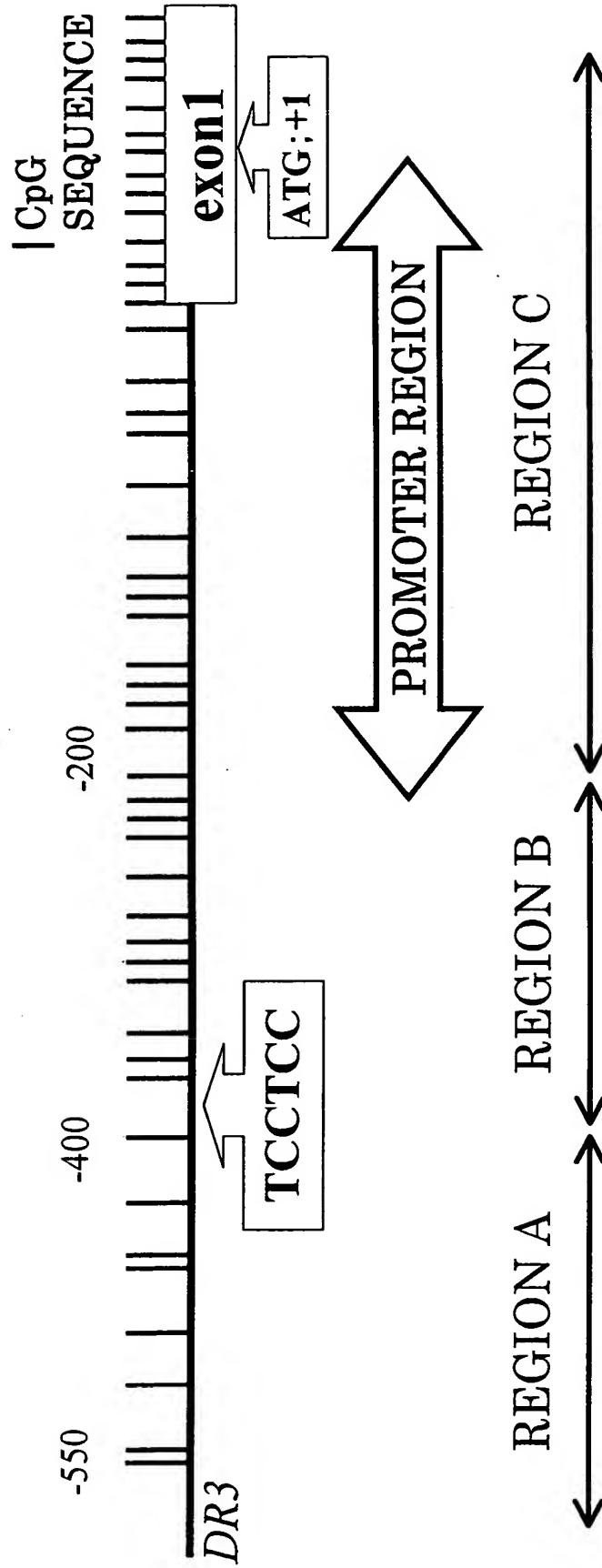


FIG. 3 (a)

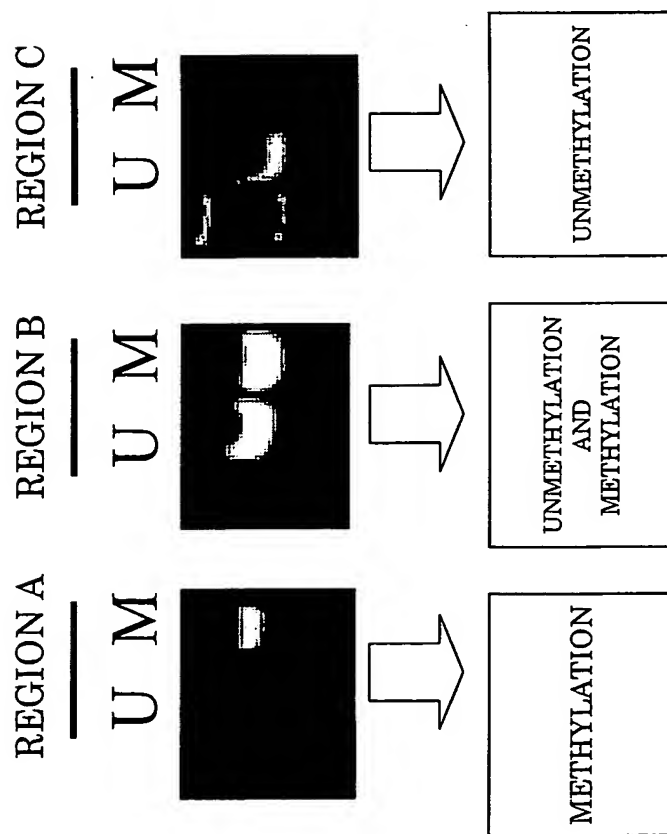


FIG. 3 (b)

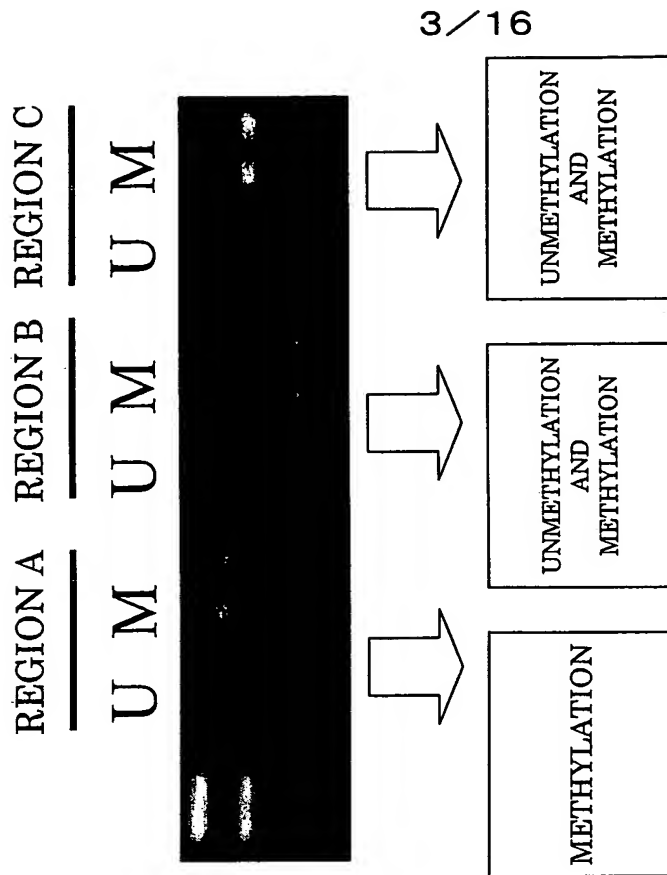


FIG. 4

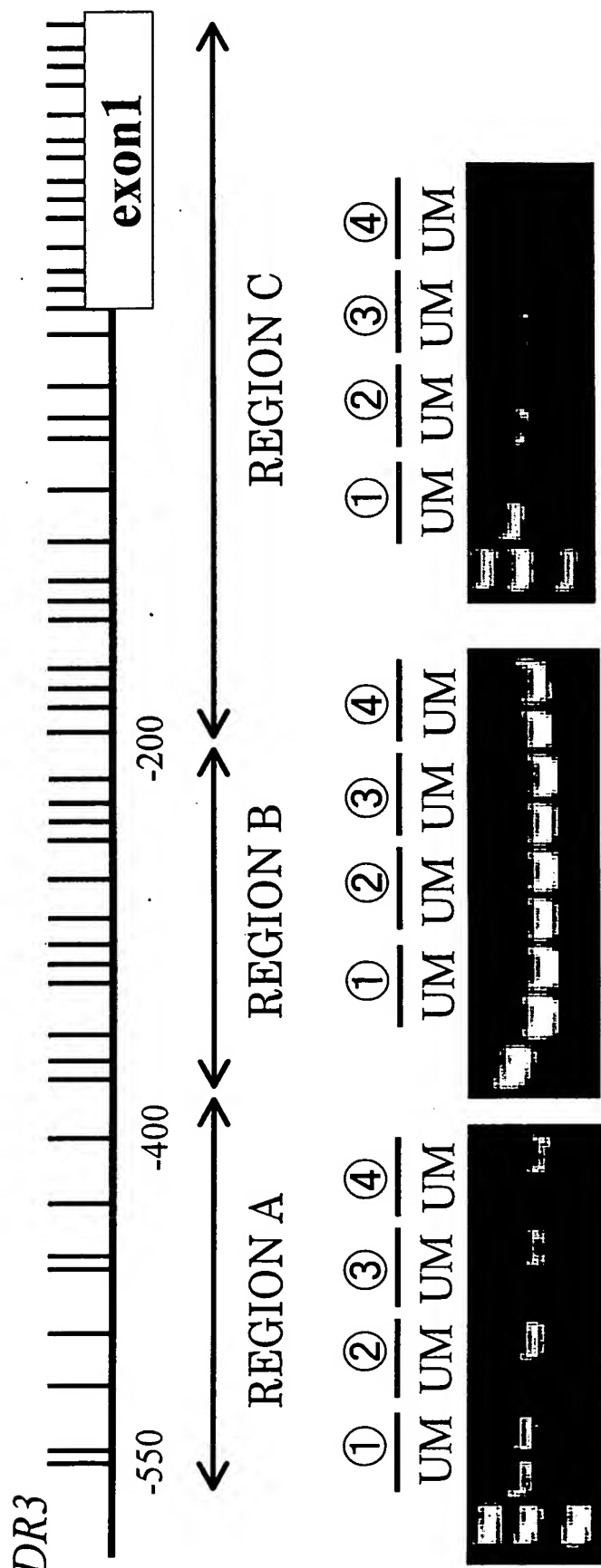
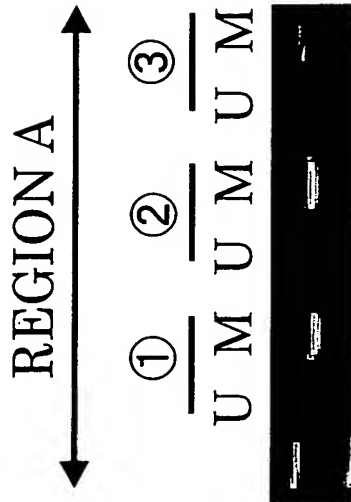


FIG. 5 (a)



U: UNMETHYLATION-SPECIFIC
PRIMERS

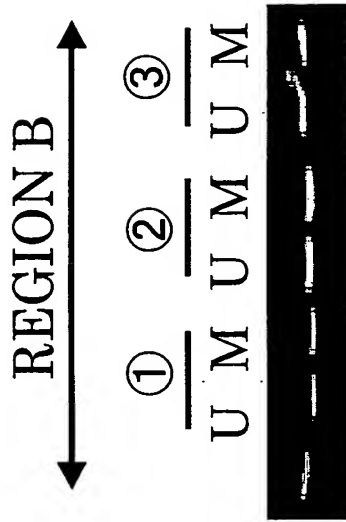
M: METHYLATION-SPECIFIC
PRIMERS

①: SINOVIAL CELL DNA

②: SINOVIAL INFILTRATIVE
LYMPHOCYTE DNA

③: JOINT FLUID LYMPHOCYTE
DNA

FIG. 5 (b)



U: UNMETHYLATION-SPECIFIC
PRIMERS

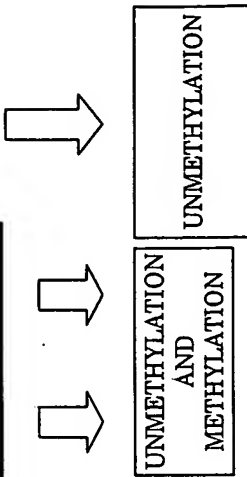
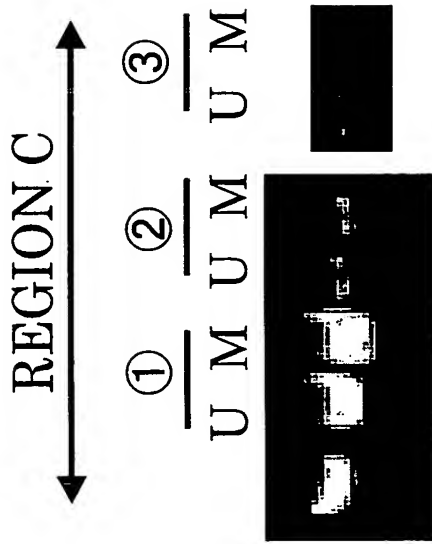
M: METHYLATION-SPECIFIC
PRIMERS

①: SINOVIAL CELL DNA

②: SINOVIAL INFILTRATIVE
LYMPHOCYTE DNA

③: JOINT FLUID LYMPHOCYTE
DNA

FIG. 5 (c)



U: UNMETHYLATION-SPECIFIC
PRIMERS

M: METHYLATION-SPECIFIC
PRIMERS

①: SINOVIAL CELL DNA

②: SINOVIAL INFILTRATIVE
LYMPHOCYTE DNA

③: JOINT FLUID LYMPHOCYTE
DNA

FIG. 6

	REGION A				REGION B			REGION C		
	N		U		U		U		U	
PBMC										
Healthy	9	0	0	9	0	9	0	9	0	0
RA	10	0	0	10	0	10	0	10	0	0
SAC										
OA	15	0	4	11	0	15	0	6	8	1
RA	24	0	0	24	0	22	2	0	15	9

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N: THE NUMBER OF SAMPLES PBMC: PERIPHERAL BLOOD LYMPHOCYTES

SAC: SINOVIAL CELLS

U: UNMETHYLATION

U/M: UNMETHYLATION AND METHYLATION

M: METHYLATION

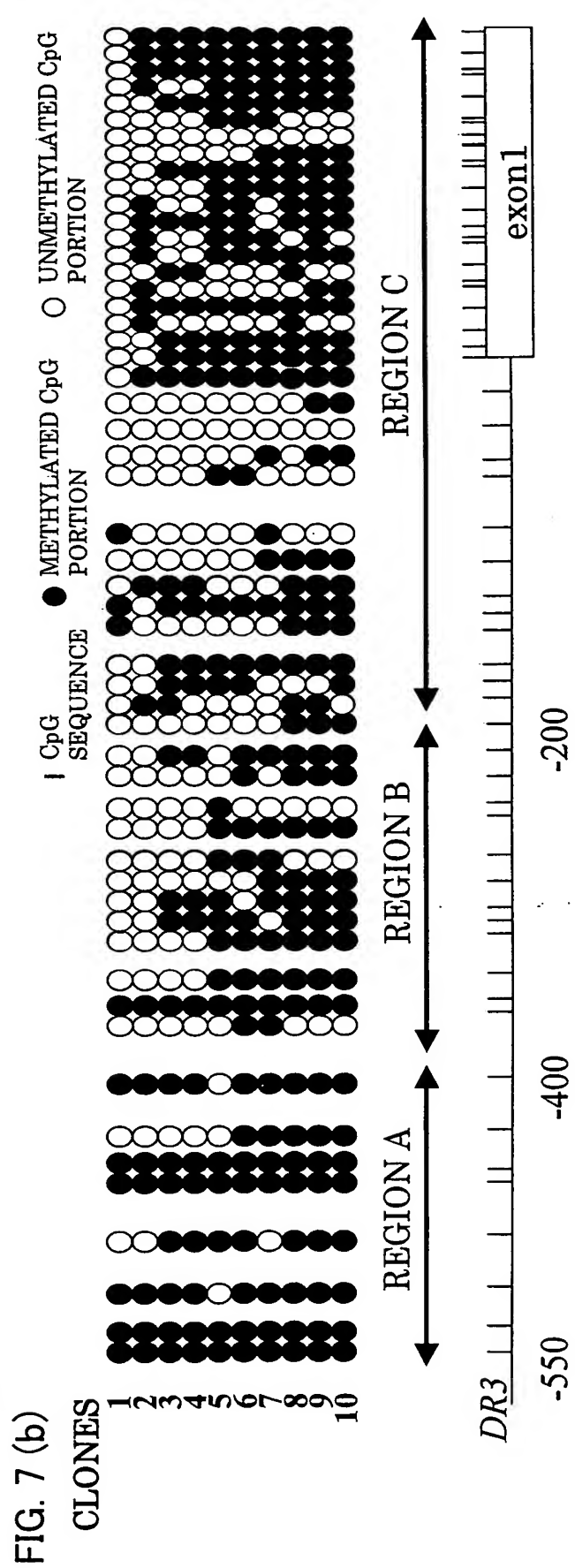
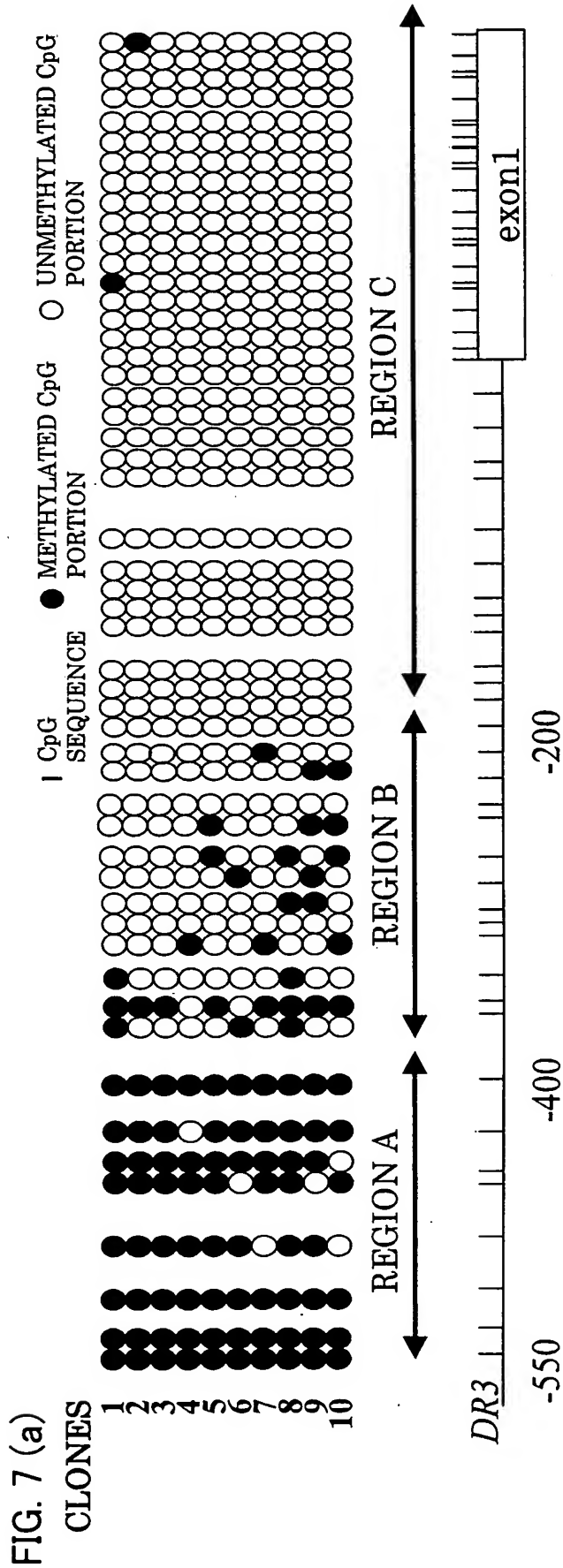


FIG. 8

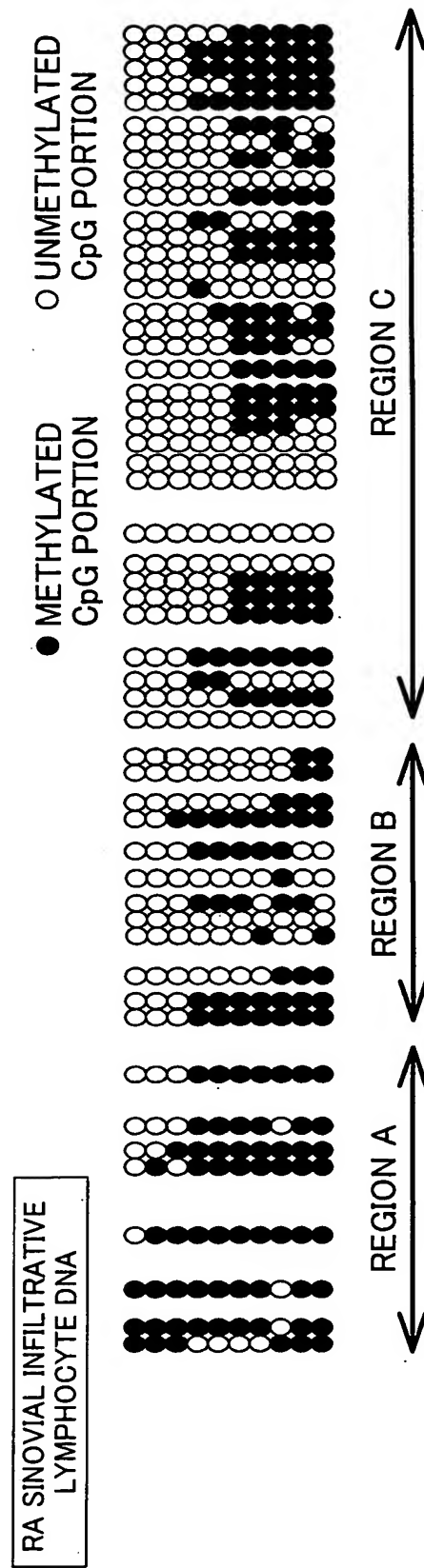


FIG. 9

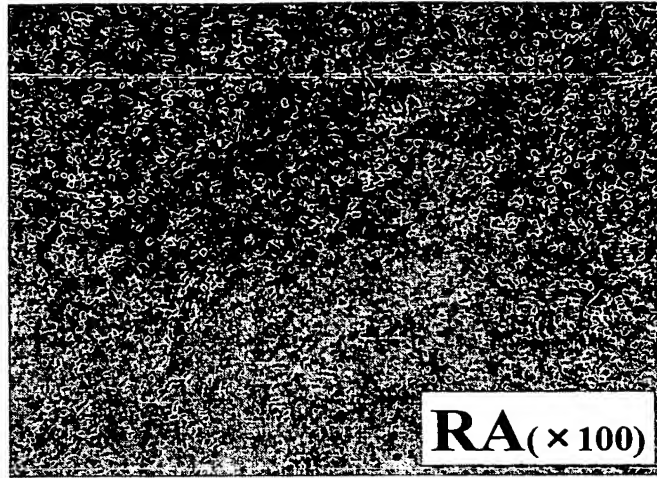


FIG. 10 (a)

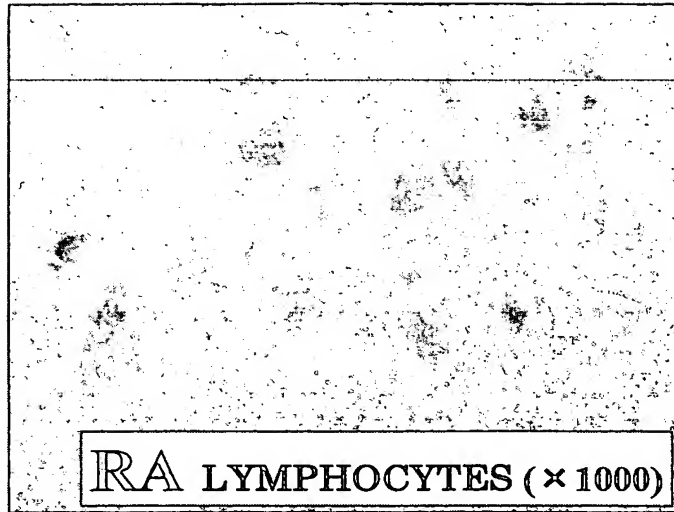


FIG. 10 (b)

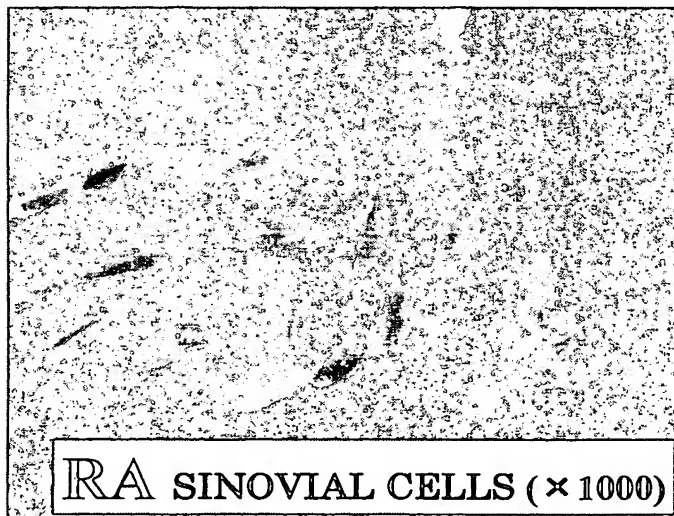


FIG. 11

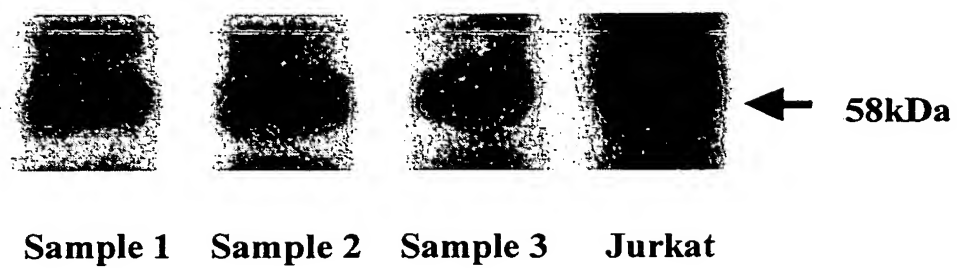
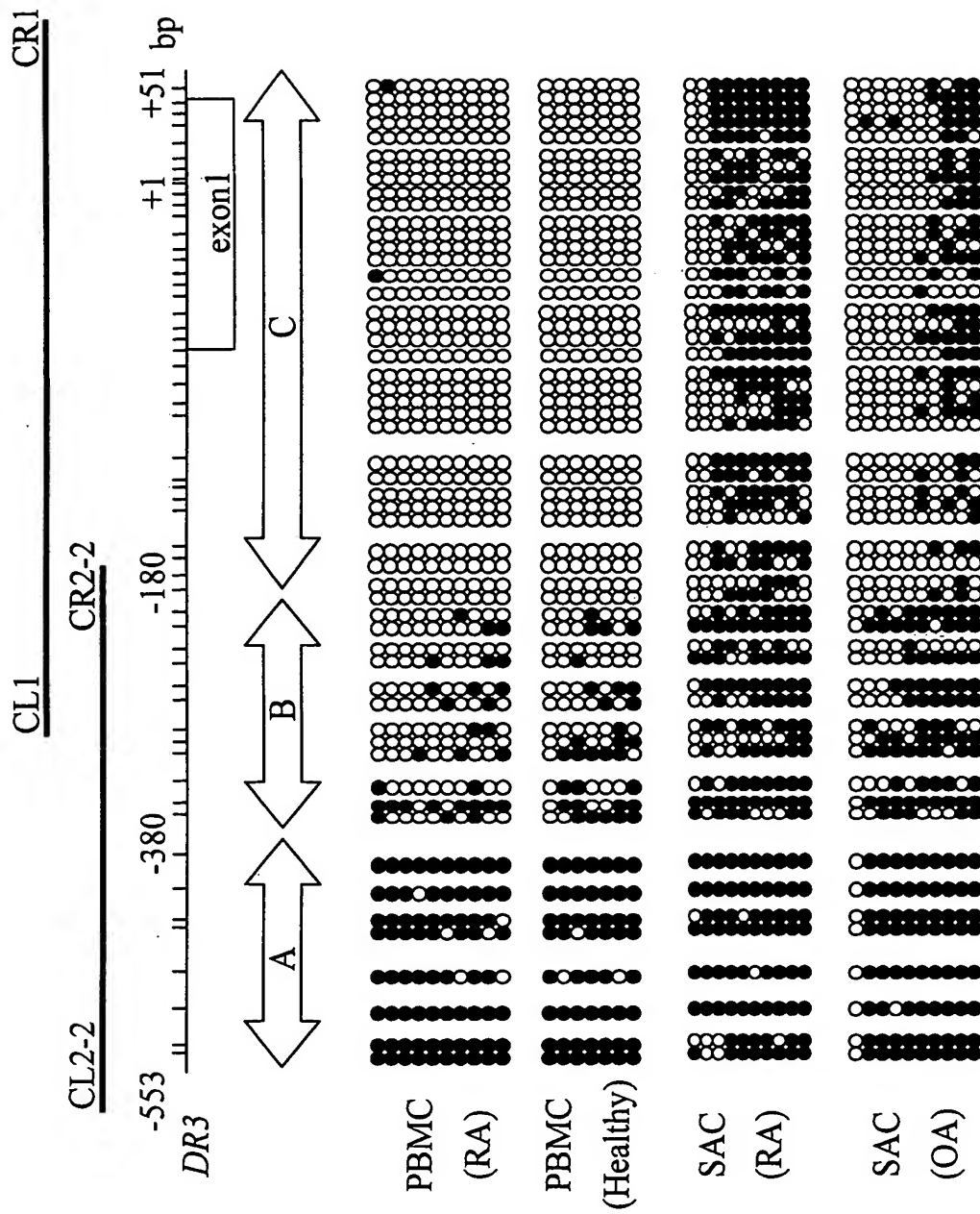


FIG. 12

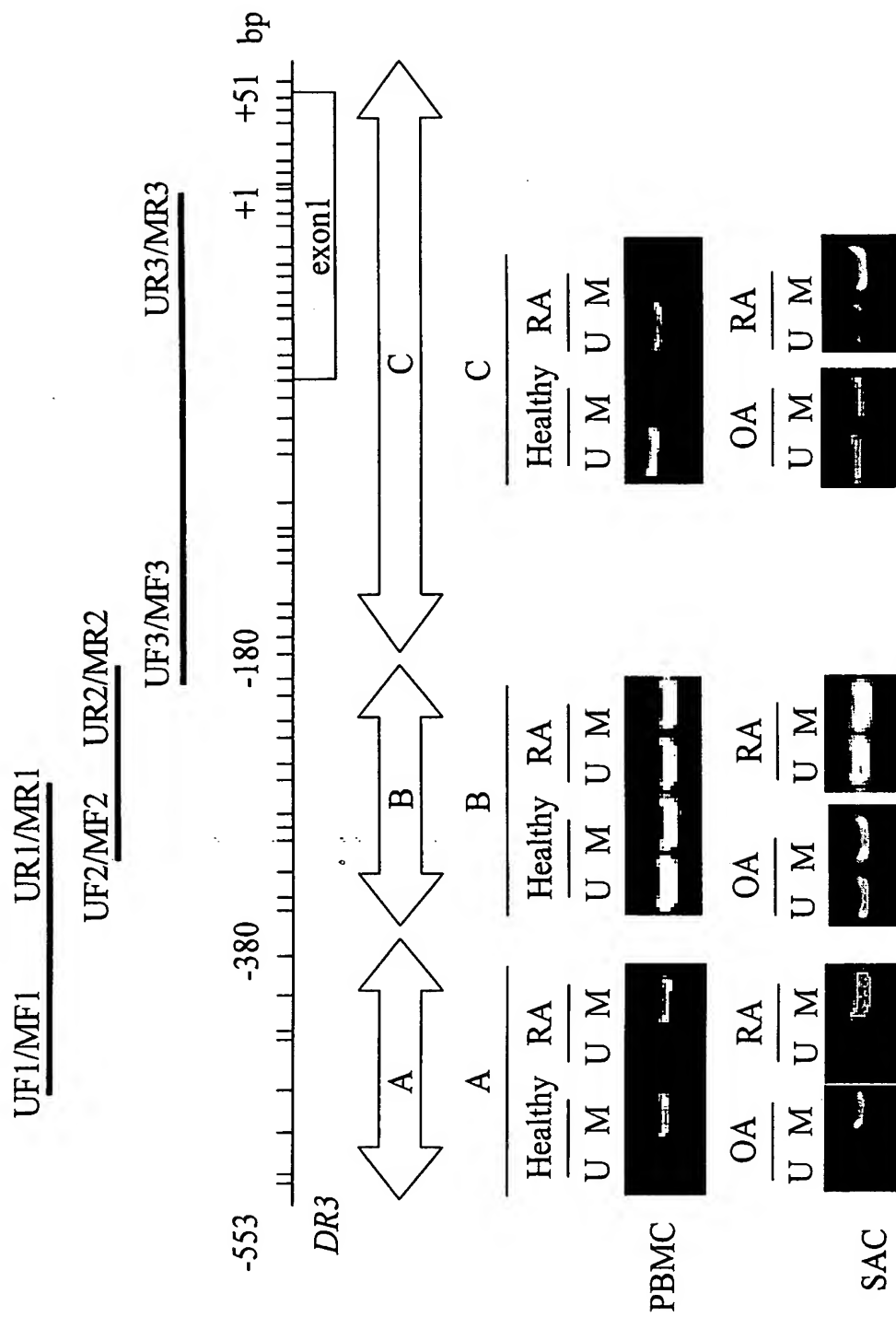


PBMC: PERIPHERAL BLOOD LYMPHOCYTES SAC: SINOVIAL CELLS

I: CpG SEQUENCE ●: METHYLATED CpG PORTION O: UNMETHYLATED CpG PORTION

A: REGION A B: REGION B C: REGION C

FIG. 13



M: METHYLATION-SPECIFIC PRIMERS

U: UNMETHYLATION-SPECIFIC PRIMERS

PBMC: PERIPHERAL BLOOD LYMPHOCYTES

SAC: SINOVIAL CELLS

FIG. 14

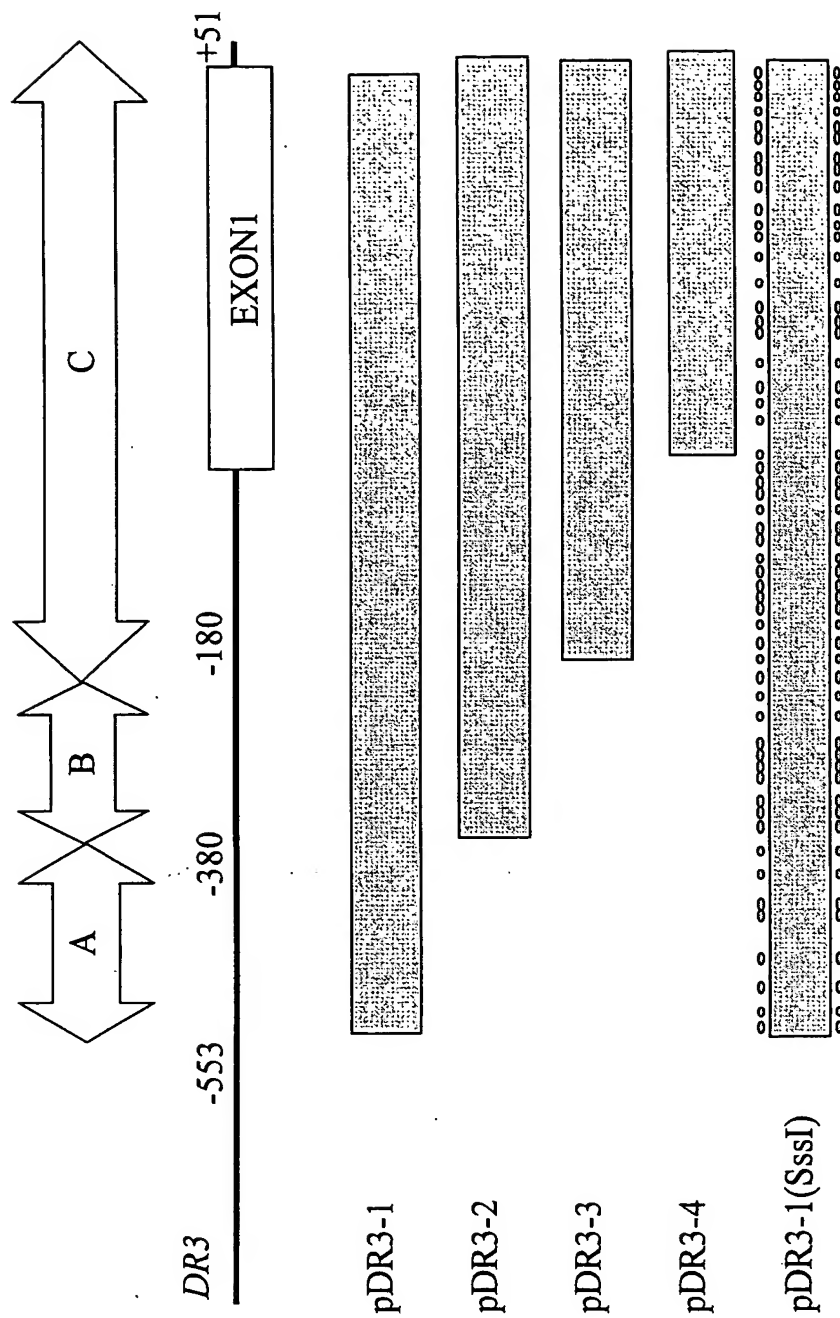


FIG. 15

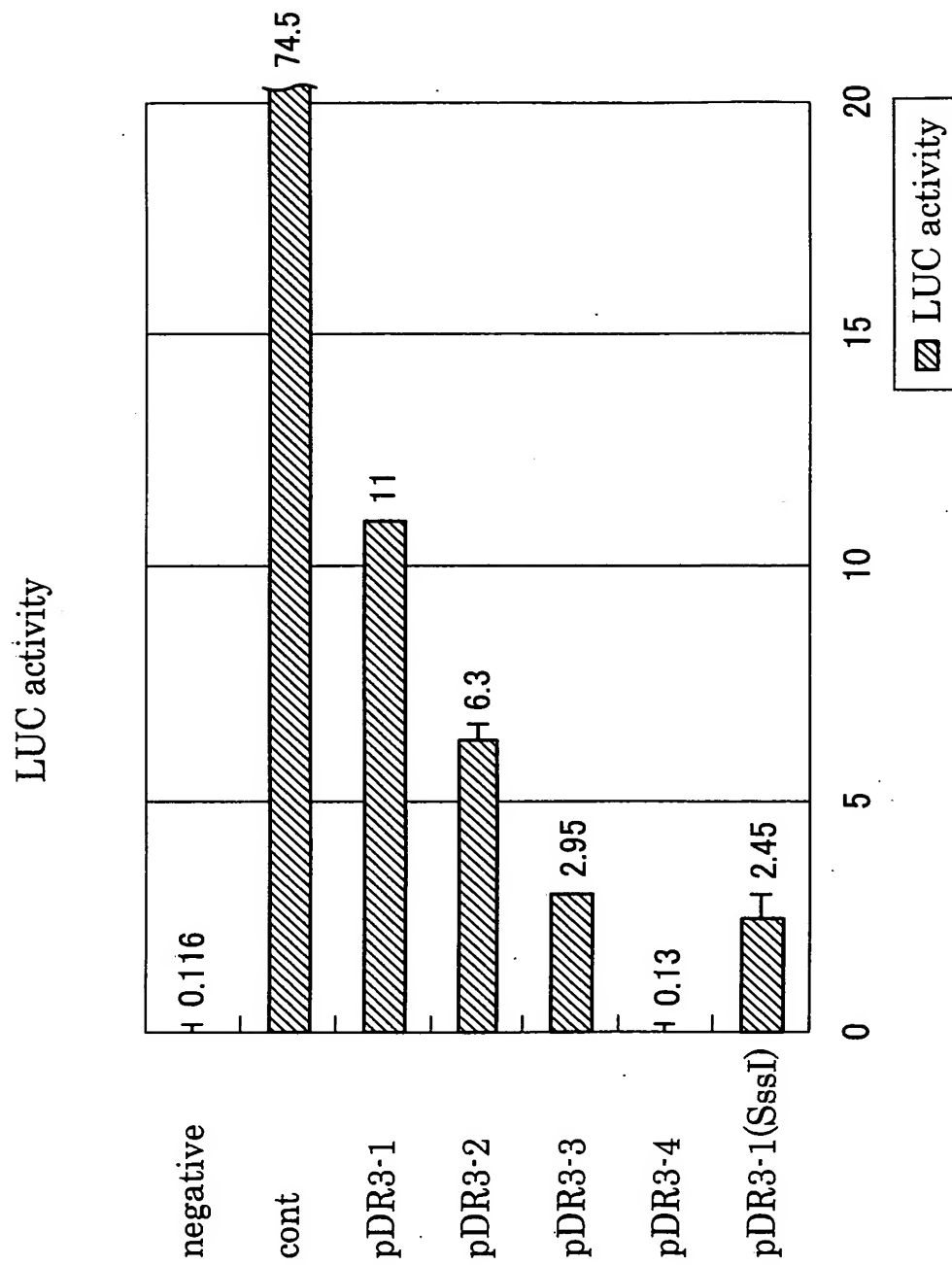


FIG. 16 (a)

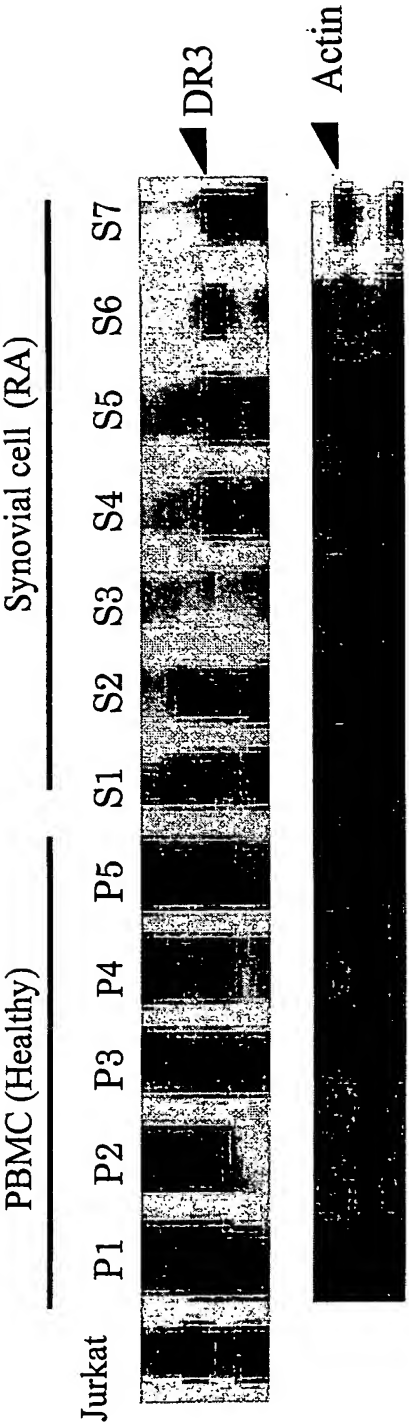


FIG. 16 (b)

